

ABSTRACT

A molding machine (2) for producing a light guide plate includes an injection machine (20) and a mold (22). The mold includes a first plate (222) and a second plate (221). The first plate has a slanted side wall (2262), and the second plate has a side wall (2261) opposite to the side wall of the first plate. A cavity (226) for molding a light guide plate (3) is defined between the first plate and the second plate. A fluid passageway (229) for cooling and solidifying a transparent resin injected into the cavity is provided in the first plate. The fluid passageway of the first plate is parallel to the side wall of the second plate. This enables molten resin to dissipate heat uniformly. The molten resin undergoes little or no strain as it cools and solidifies, and the resulting molded light guide plate has little or no internal strain.